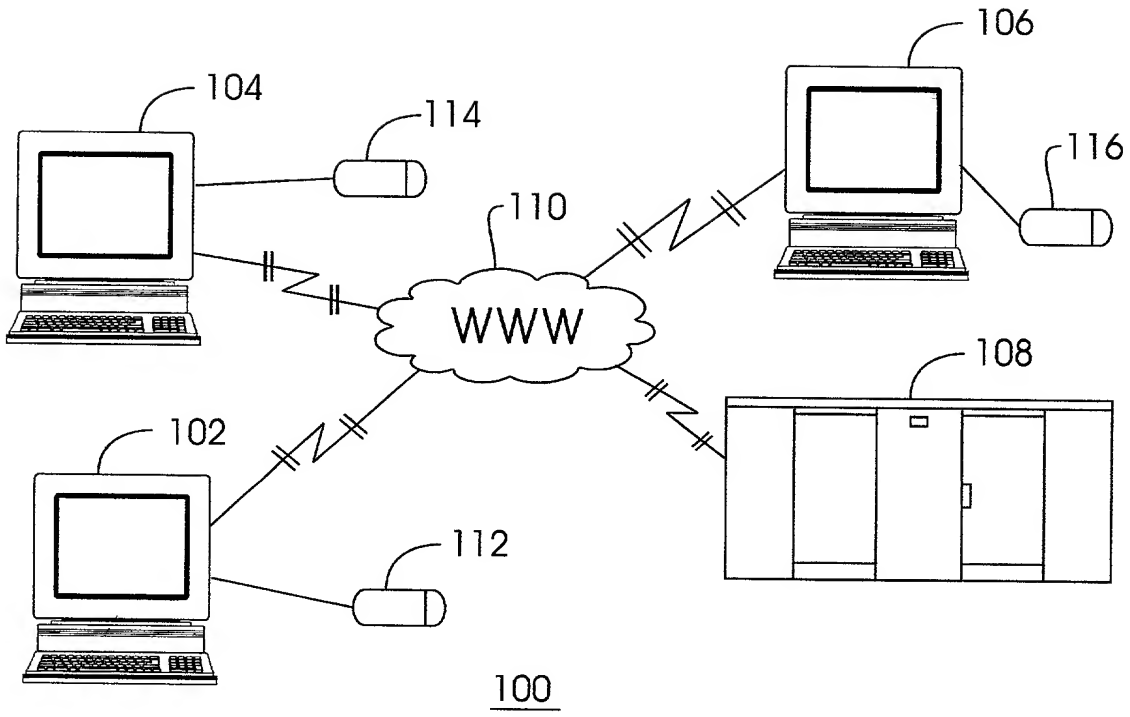

FIG. 1

Registration Form

Participant's Name: _____ e-mail: _____

Machine type: _____

Processor's Speed: _____ (MHz)

Hours of availability:

Monday _____
Tuesday _____
Wednesday _____
Thursday _____
Friday _____
Saturday _____
Sunday _____

120

FIG. 2

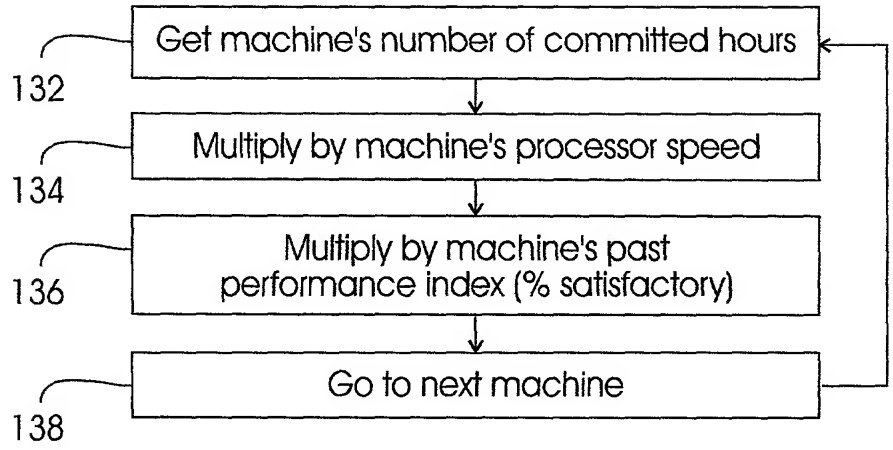
Get machine's number of committed hours
132
Multiply by machine's processor speed
134
Multiply by machine's past performance index (% satisfactory)
136
Go to next machine
138
130

FIG. 3

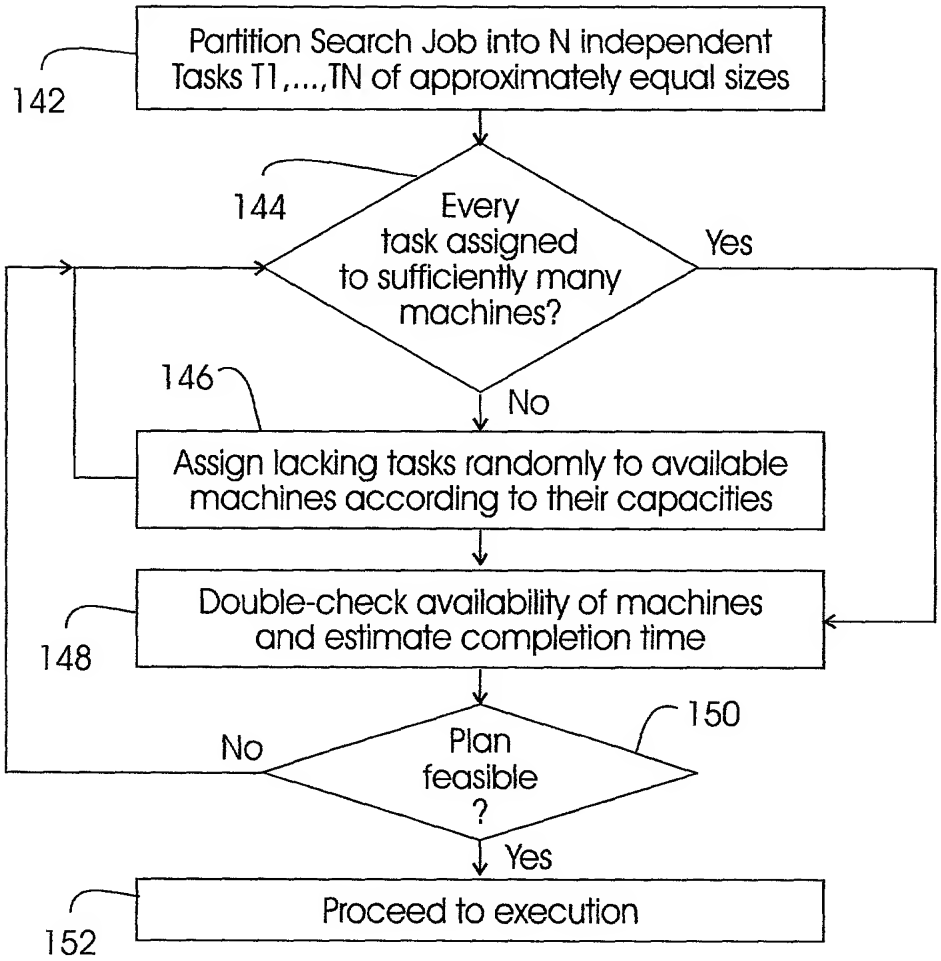
Partition Search Job into N independent Tasks T1,...,TN of approximately equal sizes
142
144
Every task assigned to sufficiently many machines?
Yes
No
146
Assign lacking tasks randomly to available machines according to their capacities
Double-check availability of machines and estimate completion time
148
150
No
Plan feasible ?
Yes
Proceed to execution
152
140

FIG. 4

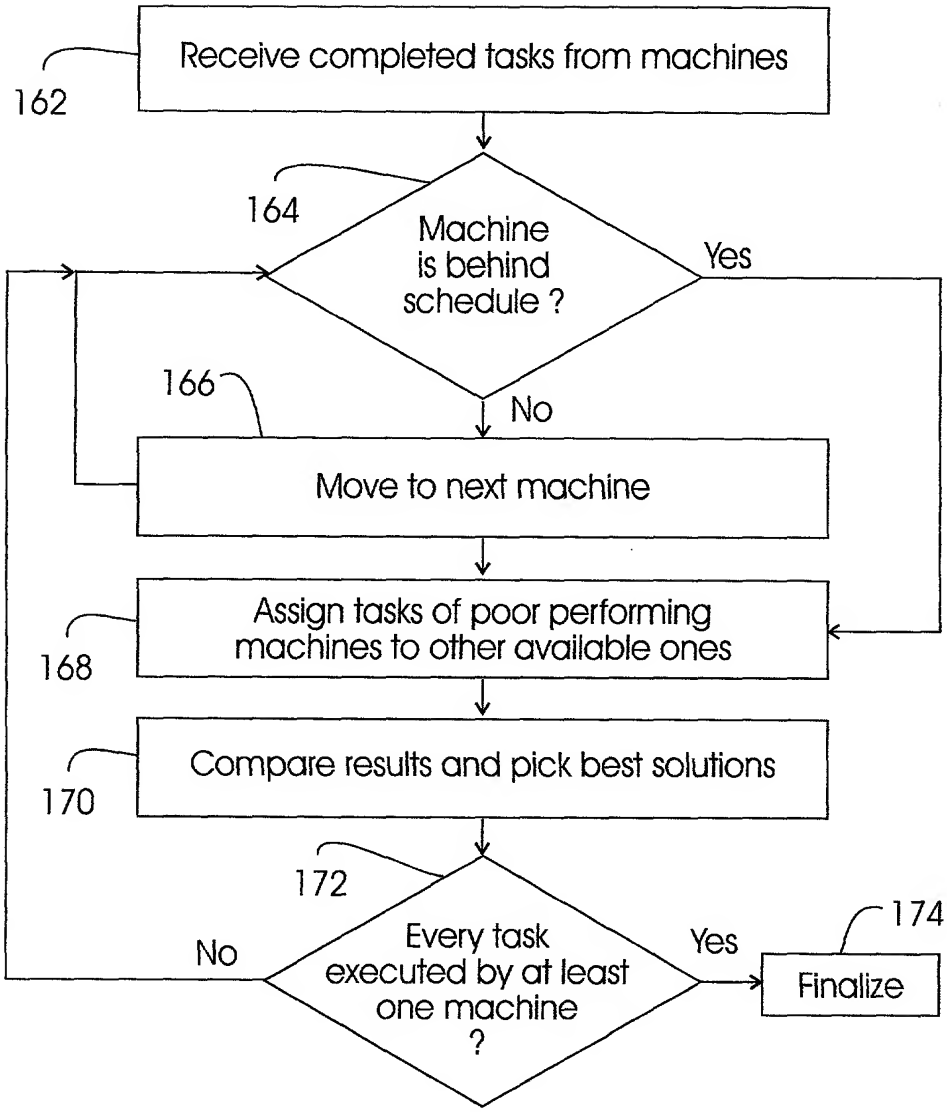
Receive completed tasks from machines
162
164
Machine is behind schedule ?
Yes
No
166
Move to next machine
Assign tasks of poor performing machines to other available ones
168
Compare results and pick best solutions
170
172
Every task executed by at least one machine ?
No
Yes
174
Finalize
160

FIG. 5